

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

5-27-03

Attorney Docket No. 040301/0575

Shigeo MATSUZAWA et al.

Title:

ROUTER DEVICE AND CUT-THROUGH PATH CONTROL

METHOD FOR REALIZING LOAD BALANCING AT

INTERMEDIATE ROUTERS

Serial No.:

09/429,632

Filed:

October 29, 1999

Examiner:

Ho, Chuong T.

Art Unit:

2664

RECEIVED.

MAY 2 1 2003

Technology Center 2600

TRANSMITTAL OF FORMAL DRAWINGS

Commissioner for Patents PO Box 1450 Alexandria, Virginia 22313-1450

ATTENTION: DRAWING REVIEW BRANCH

Sir:

Transmitted herewith are the formal drawings (9 sheets, Figures 1-11) for the above-identified application. The Official Draftsperson is respectfully requested to approve these drawings for entry into the application.

Respectfully submitted,

Date

Registration No. 38,819

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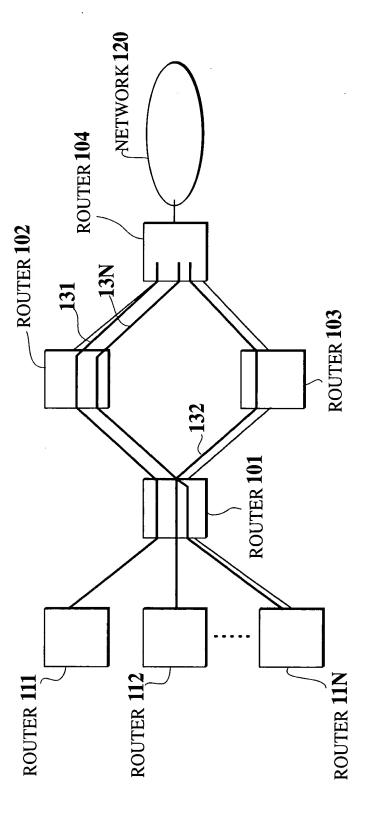
May, 2003



FIG.1

Title: ROUTER DEVICE AND CUT-THROUGH PATH CONTROL METHOD FOR REALIZING LOAD BALANCING AT INTERMEDIATE ROUTERS

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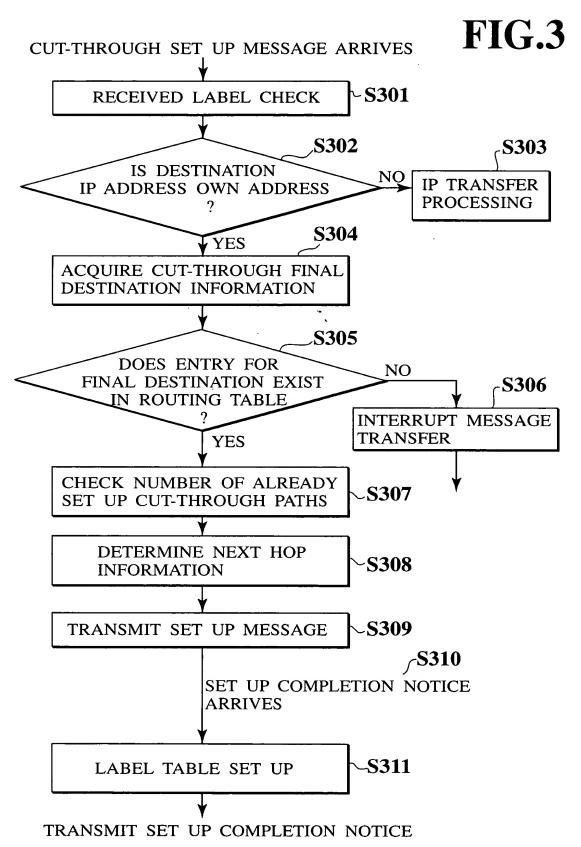


Title: ROUTER DEVICE AND CUT-THROUGH PATH CONTROL METHOD FOR REALIZI LOAD BALANCING AT INTERMEDIATE ROUTERS Inventor(s): Shigeo MATSUZAWA et al. Appl. No.: 09/429,632 *2/9* 222 221 NETWORK INTERFACE INTERFACE NETWORK SWITCH UNIT 204 ROUTING TABLE 203 202 201 CONTROL UNIT CUT-THROUGH IP PROCESSING UNIT LABEL PROCESSING UNIT LABEL TABLE -232 NETWORK INTERFACE INTERFACE NETWORK FIG.2 PHYSICAL LAYER PROCESSING UNIT 231



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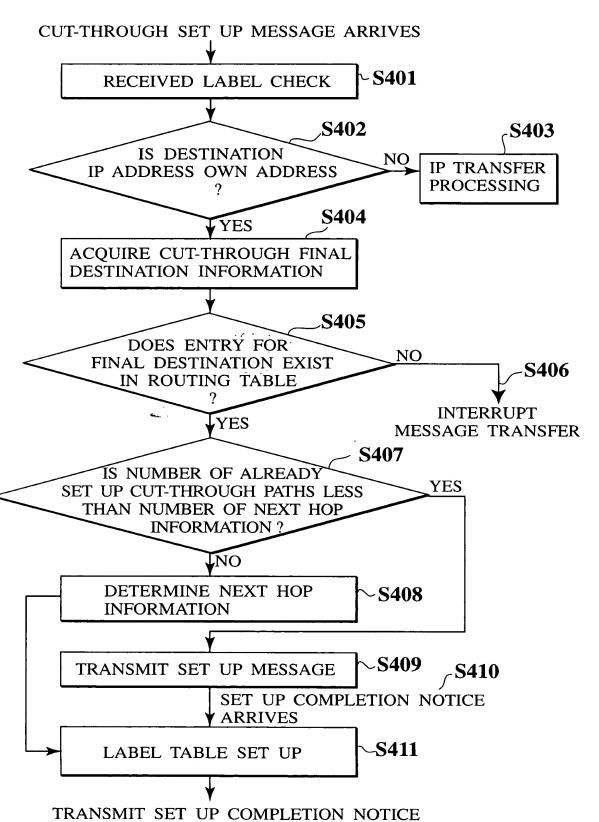


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FIG.4



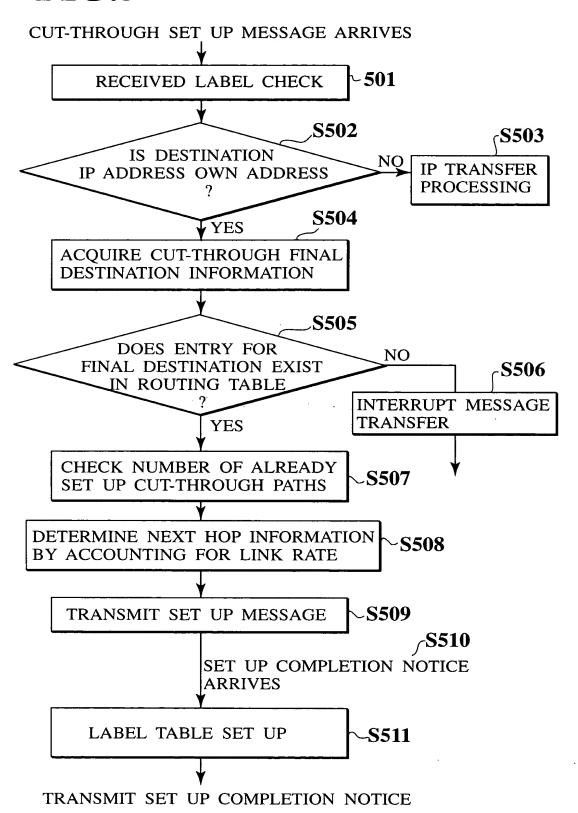


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FIG.5



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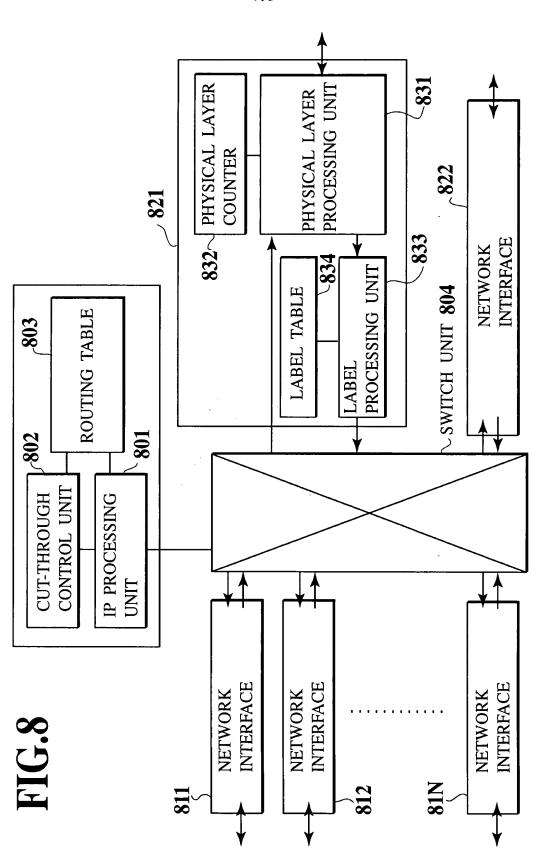
ر703	OUTPUT LABEL VALUE	•••••
ر702	OUTPUT INTERFACE	•••••
ر 701	RECEIVED LABEL	•••••

	$^{<}$ 603	NUMBER OF CUT-THROUGH PATHS	
)	$\sim 61N$	NEXT HOP INFORMATION	•••••
	\sim 611	NEXT HOP INFORMATION	••••
	< 602	NUMBER NEXT HOP INFORMATION	•••••
	$_{ m <}$ 601	DESTINATION NUMBER ADDRESS INFORMATION	•••••



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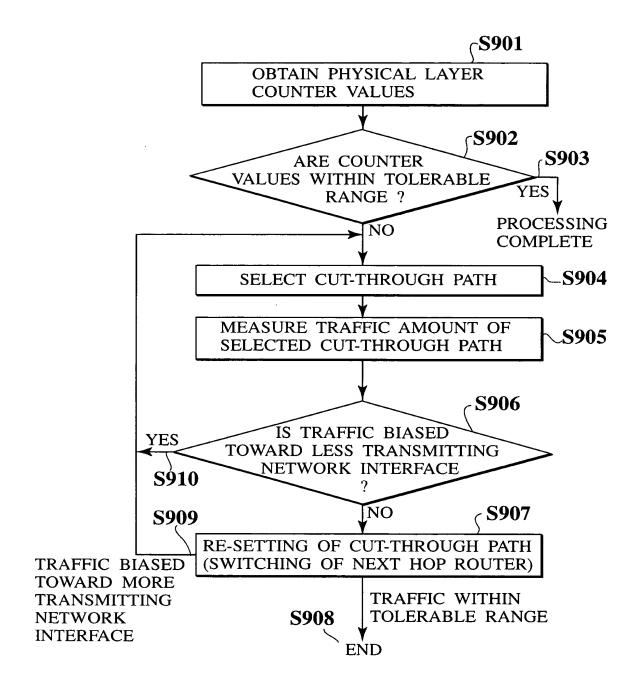


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FIG.9



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FIG.10

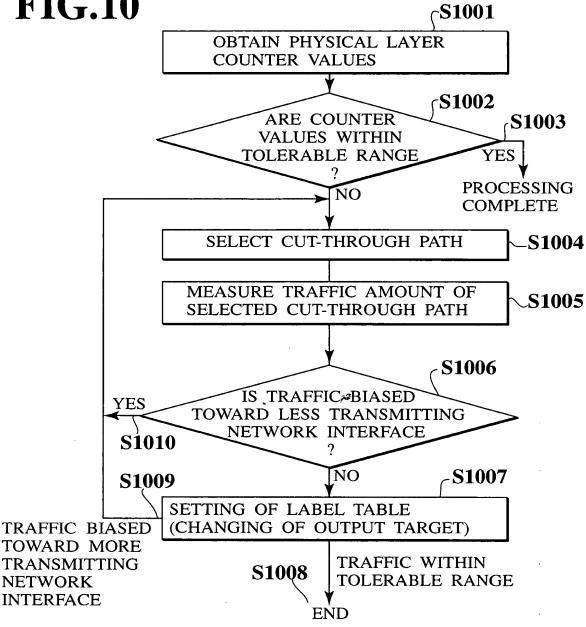


FIG.11

NETWORK

	1102	₍ 1103	₍ 1104
RECEIVED	OUTPUT	OUTPUT	NUMBER OF
LABEL	INTERFACE	LABEL VALUE	RECEIVED FRAMES
		_	
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:	:		
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